

~~CONFIDENTIAL~~

SECRET

## CENTRAL INTELLIGENCE GROUP

INTELLIGENCE REPORT

25X1A2g

COUNTRY U.S.S.R.

DATE:

25X1A6a INFO.

SUBJECT Radio Communications

DIST. 23 January 1947

25X1A6a

PAGES

ORIGIN

SUPPLEMENT

EVALUATION OF SOURCE

25X1X6

EVALUATION OF CONTENT

1. On account of the big distances involved and the inadequacy of its cable system, Russia is dependent upon radio communications. Direct radio communications exist between all bigger cities and the central station in Moscow. Smaller cities use as a rule 20 kilowatt transmitters only and pass their material on to the nearest bigger city.
2. Direct radio communication between Moscow and distant eastern cities is only possible under extremely favorable receiving conditions. In this part of Russia, the material is passed on from city to city.
3. The so-called "Nine-Channel-System" is used for communications between the different cities of the Soviet Union and Moscow, as for instance between Moscow - Rostow /Don, Moscow - Dnepropetrovsk, and Moscow - Sverdlovsk. This system had not been known in Germany. The "Nine-Channel-System" makes it possible to transmit simultaneously up to nine radio communications with one frequency only. In contrast to the elementary Morse system, it is not possible to listen in when this system is used; it is also impossible to determine how many tubes are being used at the same time. This system of transmission requires a special receiving apparatus which has not yet been developed in Germany. Experts in the radio field are of the opinion that a relay system, similar to the cable radio, is being used.
4. Some of the radio stations, built during the Russian advance, were only meant for temporary use. It was found at the time that the Russian operators lacked technical skill.
5. At the time the mechanical transmitters were installed, it became obvious that the transmitter and receiving equipment, making possible the transmission of 450 to 500 words a minute, was far above the performance of German equipment. It was possible to maintain this speed even during unfavorable weather conditions without impairing the reception in the least.

This document is hereby regarded to  
CONFIDENTIAL in accordance with the  
letter of 15 October 1978 from the  
Director of Central Intelligence to the  
Archivist of the United States  
Next Review Date: 2008

Document No. 2

NO CHANGE in class.

DECLASSIFIED

Class. CONFIDENTIAL RS SP C

DDA/Memo 4 Apr 77

Auth: ADAM RIGGS 7/7/1983

Date: 31 MAR 1978 By: 026

**VOID**

~~CONFIDENTIAL~~

CLASSIFICATION SECRET

LISTING MUST BE 25X1A8a

25X1A9a

ADSO	YADP	X FBT	SPDF	THIS DIST	RELEASING NOTICE	IS DEP.	DOCUMENT.	X
DADSO	FBK	FBK	SPDT	EL PASO	APPROVED FOR RELEASE 2001/08/02 BY CIA REF ID: A25X1A6a			
EXEC.	FBK	FBK	SPDT	EL PASO	APPROVED FOR RELEASE 2001/08/02 BY CIA REF ID: A25X1A6a			
CONTROL	FBM	X FBZ	SPDT	EL PASO	APPROVED FOR RELEASE 2001/08/02 BY CIA REF ID: A25X1A6a			
PLANS	X FBP	SPDA	TRB	X	EXCISED BEFORE RELEASE			